

Abstract

An endoprosthesis in the form of an elongated hollow structure that can be implanted percutaneously with a catheter in a blood vessel or other cavity of the body and once correctly positioned will expand from an initial state with a narrow lumen into a state with a lumen that is as wide as its placement will allow. It has a lining of a wrapping material that deforms plastically without fissuring as it expands from the state with the narrow lumen to the state with the wide lumen. Another embodiment is a stent with a wrinkled lining that smoothes out as the stent expands. The lining is impregnated with at least one medication that will gradually and preferably at a uniform rate be released to the patient once the prosthesis is in place.